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#3



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/963,351	09/25/2001	Syed Abbas	21676-05433

00758  
FENWICK & WEST LLP  
TWO PALO ALTO SQUARE  
PALO ALTO, CA 94306

CONFIRMATION NO. 8268

## FORMALITIES LETTER



\*OC000000006989375\*

Date Mailed: 10/29/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 355 to complete the basic filing fee for a small entity.*
- Total additional claim fee(s) for this application is \$577.
  - \$297 for 33 total claims over 20.
  - \$280 for 7 independent claims over 3 .
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 997.**

01/28/2002 HDEMSS1 00000197 192555 09963351

01 FC:201		370.00 OP
02 FC:202		294.00 OP
03 FC:203		297.00 OP
04 FC:205	29.00 CH	36.00 OP

A copy of this notice **MUST** be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



*Section 4*

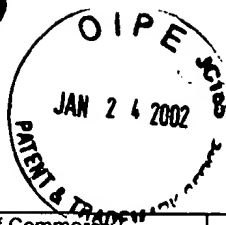
PTO/SB/21 (modified)  
Approved for use through xx/xx/xx, OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b> (to be used for all correspondence during pendency of filed application)	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/963,351
			Filing Date	September 25, 2001
			First Named Inventor	Syed Abbas et al.
			Group Art Unit Number	2681
			Examiner Name	UNASSIGNED
Total Number of Pages in This Submission		10	Attorney Docket Number	21676-05433 (CT-53)

ENCLOSURES (check all that apply)	
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> Check Enclosed <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Response to Notice to File Missing Parts <input checked="" type="checkbox"/> Copy of Notice to File Missing Parts <input checked="" type="checkbox"/> Declaration <input checked="" type="checkbox"/> Power of Attorney <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Information Disclosure Statement & PTO-1449 <input type="checkbox"/> Copies of IDS Cited References <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Request for Correction of Recorded Assignment <input type="checkbox"/> Amendment/Response: [ ] Page(s) <input type="checkbox"/> After Final <input type="checkbox"/> Status Request <input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Letter to Chief Draftsperson <input type="checkbox"/> Formal Drawing(s): [ ] Sheet(s) of Figure(s) [ ] <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:	<i>Neil F. Maloney</i>		
Attorney/Reg. No.:	Neil F. Maloney, Reg. No. 42,833	Dated:	December 18, 2001

CERTIFICATE OF MAILING			
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington, DC 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 39 CFR 1.101.			
Signature:	<i>Neil F. Maloney</i>		
Typed or Printed Name:	Neil F. Maloney	Dated:	December 18, 2001
Express Mail Mailing Number (optional):			



PTO/SB/17 (10-01)(modified)  
Approved for use through 09/29/01, OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0002/PTO(modified)  
Rev. 10/2000

U.S. Department of Commerce  
Patent and Trademark Office

# FEE TRANSMITTAL

## TOTAL AMOUNT OF PAYMENT

Subtotal (1) + Subtotal (2) + Subtotal (3) = **(\$ 997.00)**

### Complete if Known

Application Number	09/963,351
Filing Date	September 25, 2001
First Named Inventor	Syed Abbas <i>et al.</i>
Group Art Unit	2681
Examiner Name	UNASSIGNED
Attorney Docket Number	21676-05433

### METHOD OF PAYMENT

#### 1. The Commissioner is hereby authorized to:

- ☐ Charge the indicated fees to the below mentioned deposit account.
- ☒ Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account.†
- ☒ Applicant claims small entity status  
See 37 CFR 1.27

Deposit Account Number: 19-2555

Deposit Account Name: FENWICK & WEST LLP

A Duplicate Copy of this authorization is attached

#### 2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Other

### FEE CALCULATION (fees effective 10/01/2000)

#### 1. FILING FEE

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$740	201/\$370	Utility Filing	<b>355</b>
106/\$330	206/\$165	Design Filing	
108/\$740	208/\$370	Reissue	
114/\$160	214/\$80	Provisional Filing	
<b>SUBTOTAL (1)</b>			<b>(\$ 355)</b>

#### 2. CLAIMS

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description
103/\$18	203/\$9	Claims in excess of 20
102/\$84	202/\$42	Independent claims in excess of 3
104/\$280	204/\$140	Multiple dependent claim
109/\$84	209/\$42	Reissue independent claims over original patent
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	<b>65</b>
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	
147/\$2,520	147/\$2,520	For filing a request for reexamination	
115/\$110	215/\$55	Extension for response within first month†	
116/\$400	216/\$200	Extension for response within second month†	
117/\$920	217/\$460	Extension for response within third month†	
118/\$1,440	218/\$720	Extension for response within fourth month†	
128/\$1,960	228/\$980	Extension for response within fifth month†	
119/\$320	219/\$160	Notice of Appeal	
141/\$1,280	241/\$640	Petition to revive unintentionally abandoned application	
142/\$1,280	242/\$640	Utility Issue Fee (Or Reissue)	
143/\$460	243/\$230	Design Issue Fee	
122/\$130	122/\$130	Petitions to the Commissioner	
126/\$180	126/\$180	Submission of Information Disclosure Statement	
179/\$740	279/\$370	Request for Continued Examination (RCE)	
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	
146/\$740	246/\$370	Filing a submission after final rejection (37 CFR 1.129(a))	
149/\$740	249/\$370	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify):			
Other fee (specify):			
<b>SUBTOTAL (3)</b>			<b>(\$ 65)</b>

(Col. 1)		(Col. 2)		(Col. 3)		Fee		Fee Due
For	No. of Existing Claims		Highest No. Previously Paid For		Extra**			
TOTAL	53	minus*	20 or 0	=	33	x	9	= 297
INDEP	10	minus*	3 or 0	=	7	x	40	= 280
[ ] First presentation of multiple dependent claim								

\* Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

**SUBTOTAL (2) (\$ 577)**

### SUBMITTED BY

Typed or Printed Name: Neil F. Maloney

Signature: Neil F. Maloney

### Complete (if applicable)

Reg. Number: **42,833**

Date: **December 18, 2001**

† Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby



COPY OF PAPERS  
ORIGINALLY FILED

PATENT

IN THE UNITED STATES

PATENT AND TRADEMARK OFFICE

APPLICANTS: Syed Abbas *et al.*  
APPLICATION NO.: 09/963,351  
FILING DATE: September 25, 2001  
TITLE: ROBUST SIGNALING TECHNIQUES IN MULTICARRIER SYSTEMS  
EXAMINER: UNASSIGNED  
GROUP ART UNIT: 2681  
ATTY. DKT. NO.: 21676-05433 (CT-53)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner For Patents, Washington, DC 20231, on the date shown below:

Dated: December 18, 2001

By:

Neil F. Maloney, Reg. No. 42833

BOX MISSING PARTS  
COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

RESPONSE TO NOTICE TO FILE MISSING  
PARTS OF APPLICATION

SIR:

Responsive to the Notice to File Missing Parts dated October 29, 2001 received in the above-identified patent application,

☒ Enclosed are:

- ☒ a copy of the Notice to File Missing Parts;
- ☒ an original, signed Declaration;
- ☒ an original, signed Power of Attorney or Authorization of Agent;
- ☐ an Application Data Sheet;

☒ payment in the amount of \$997 for the

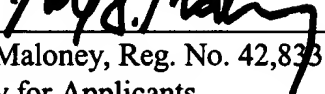
- ☒ application filing fee;
- ☒ fee for additional claims; and
- ☒ missing parts surcharge.

☐ Other

☒ Applicant claims small entity status under 37 C.F.R. § 1.27.

Respectfully submitted,  
SYED ABBAS *et al.*

Dated: December 18, 2001

By:   
Neil F. Maloney, Reg. No. 42,833  
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